AMENDMENTS TO THE CLAIMS:

This listing of claims will replace all prior versions and listings of claims in the application:

- 1-6. (Cancelled)
- 7. (Currently Amended) At least one chemical entity <u>chosen from</u> of claim 21-wherein the at least one chemical entity is N3-(2-methoxybenzyl)-5-(4-phenoxyphenyl)-pyrazine-2,3-diamine and pharmaceutically acceptable salts thereof.
- 8-13. (Cancelled)
- 14. (Currently Amended) At least one chemical entity of claim [[21]] $\underline{7}$ wherein in an in vitro assay of kinase modulation, the at least one chemical entity exhibits an IC₅₀ value less than or equal to 25 micromolar.
- 15. (Currently Amended) A pharmaceutical composition comprising at least one chemical entity of claim [[21]] 7 and at least one vehicle chosen from pharmaceutically acceptable carriers and excipients.
- 16-25. (Cancelled)
- 26. (Currently Amended) At least one chemical entity of claim [[25]] 33 wherein in an in vitro assay of kinase modulation, the at least one chemical entity exhibits an IC₅₀ value less than or equal to 25 micromolar.

27. (Currently Amended) A pharmaceutical composition comprising at least one chemical entity of claim [[25]] 33 and at least one vehicle chosen from pharmaceutically acceptable carriers and excipients.

28-32. (Cancelled)

33. (New) At least one chemical entity chosen from compounds of the formula:

$$R_{11}$$

$$R_{4}$$

$$R_{1}$$

$$R_{1}$$

$$R_{1}$$

$$R_{2}$$

and pharmaceutically acceptable salts thereof, wherein R_1 is chosen from

benzyl, and

substituted benzyl chosen from mono-, di-, and tri-substituted benzyl wherein the substituents are independently chosen from

hydroxy,

nitro,

cyano,

amino,

halo,

 (C_1-C_6) alkyl,

(C₁-C₆)perhaloalkyl,

 (C_1-C_6) alkoxy,

 (C_1-C_6) alkyloxy- (C_1-C_6) alkoxy,

mono-((C₁-C₆)alkyl)amino,

di((C₁-C₆)alkyl)amino,

mono- $((C_1-C_6)alkyl)$ amino $(C_1-C_6)alkyl$,

 $di((C_1-C_6)alkyl)amino(C_1-C_6)alkyl,$

amino(C₁-C₆)alkyl,

benzamido,

heteroaryl,

substituted benzamido chosen from mono-, di-, and tri-substituted benzamido and wherein the substituents are independently chosen from hydroxy, nitro, cyano, amino, halo, (C₁-C₆)alkyl, and (C₁-C₆)alkoxy,

benzenesulfonamido,

substituted benzenesulfonamido chosen from mono-, di-, and trisubstituted benzenesulfonamido wherein the substituents are independently chosen from hydroxy, nitro, cyano, amino, halo, (C₁-C₆)alkyl, (C₁-C₆)perhaloalkyl, and (C₁-C₆)alkoxy,

substituted heteroaryl chosen from mono-, di-, and trisubstituted heteroaryl wherein the substituents are independently chosen from hydroxy, nitro, cyano, amino, halo, (C_1-C_6) alkyl, (C_1-C_6) perhaloalkyl, (C_1-C_6) alkoxy, (C_1-C_6) alkyloxy- (C_1-C_6) alkoxy, mono- $((C_1-C_6)$ alkyl)amino, di $((C_1-C_6)$ alkyl)amino, mono- $((C_1-C_6)$ alkyl)amino (C_1-C_6) alkyl, and di $((C_1-C_6)$ alkyl)amino (C_1-C_6) alkyl,

benzylamino(C₁-C₆)alkyl, dibenzylamino(C₁-C₆)alkyl, substituted benzylamino(C₁-C₆)alkyl chosen from mono-, di-, and trisubstituted benzylamino(C₁-C₆)alkyl wherein the substituents on the benzyl are independently chosen from hydroxy, nitro, cyano, amino, and halo,

substituted dibenzylamino(C₁-C₆)alkyl chosen from mono-, di-, and trisubstituted dibenzylamino(C₁-C₆)alkyl wherein the substituents on the benzyl are independently chosen from hydroxy, nitro, cyano, amino, and halo,

amino(C₁-C₆)alkyl, and

heteroaryl linked to the benzyl by a group chosen from ether, sulfide, (C₁-C₃)carbonyl, and secondary amino;

R₂ is chosen from phenyloxyphenyl, and

substituted phenyloxyphenyl chosen from mono-, di-, and tri-substituted phenyloxyphenyl wherein the substituents are independently chosen from hydroxy, nitro, cyano, amino, halo, sulfonamido, (C₁-C₆)alkyl, (C₁-C₆)perhaloalkyl, (C₁-C₆)alkoxy, (C₁-C₆)alkyloxy-(C₁-C₆)alkoxy, mono-((C₁-C₆)alkyl)amino, di((C₁-C₆)alkyl)amino, and amino(C₁-C₆)alkyl;

R₄ is chosen from

hydrogen, straight chain (C₁-C₆)alkyl, branched chain (C₃-C₆)alkyl, phenyl,

 C_6)alkyl)amino, di((C_1 - C_6)alkyl)amino, and amino(C_1 - C_6)alkyl,

heteroaryl, and

substituted heteroaryl chosen from mono-, di-, and tri-substituted heteroaryl wherein the substituents are chosen from hydroxy, nitro, cyano, amino, halo, (C₁-C₆)alkyl, (C₁-C₆)alkoxy, (C₁-C₆)alkyloxy-(C₁-C₆)alkoxy, mono-((C₁-C₆)alkyl)amino, di((C₁-C₆)alkyl)amino, and amino(C₁-C₆)alkyl; and

R₁₁ and R₁₂ are independently chosen from

hydrogen,

straight chain (C₁-C₇)alkyl,

branched chain (C₃-C₇)alkyl, in which the branched alkyl chains are allowed to also form a 3-7 membered ring chosen from heterocycloalkyl and cycloalkyl rings,

 $(cyclo(C_3-C_6)alkyl)methyl,$

(C₁-C₆)perhaloalkyl,

sulfonamido,

mono-((C₁-C₆)alkyl)amino,

di((C₁-C₆)alkyl)amino,

mono- $((C_1-C_6)alkyl)amino(C_1-C_6 alkyl),$

 $di((C_1-C_6)alkyl)amino(C_1-C_6 alkyl),$

phenyl,

 C_6)alkyl)amino, di((C_1 - C_6)alkyl)amino, mono-((C_1 - C_6)alkyl)amino(C_1 - C_6)alkyl, di((C_1 - C_6)alkyl, and amino((C_1 - C_6)alkyl),

benzyl,

substituted benzyl chosen from mono-, di-, and tri-substituted benzyl wherein the substituents are chosen from hydroxy, nitro, cyano, amino, halo, (C_1-C_6) alkyl, (C_1-C_6) perhaloalkyl, (C_1-C_6) alkoxy, (C_1-C_6) alkyloxy- (C_1-C_6) alkoxy, mono- $((C_1-C_6)$ alkyl)amino, di $((C_1-C_6)$ alkyl)amino, mono- $((C_1-C_6)$ alkyl)amino (C_1-C_6) alkyl, di $((C_1-C_6)$ alkyl)amino (C_1-C_6) alkyl, and amino $((C_1-C_6)$ alkyl),

heteroaryl,

substituted heteroaryl chosen from mono-, di-, and tri-substituted heteroaryl wherein the substituents are chosen from hydroxy, nitro, cyano, amino, halo, (C₁-C₆)alkyl, (C₁-C₆)perhaloalkyl, (C₁-C₆)alkoxy, (C₁-C₆)alkyloxy-(C₁-C₆)alkoxy, mono-((C₁-C₆)alkyl)amino, di((C₁-C₆)alkyl)amino, mono-((C₁-C₆)alkyl)amino(C₁-C₆)alkyl, di((C₁-C₆)alkyl)amino(C₁-C₆)alkyl, and amino((C₁-C₆)alkyl),

substituted heteroaryloxyphenyl chosen from mono-, di-, and trisubstituted heteroaryloxyphenyl wherein the substituents are
independently chosen from hydroxy, nitro, cyano, amino,
halo, sulfonamido, (C₁-C₆)alkyl, (C₁-C₆)perhaloalkyl, (C₁C₆)alkoxy, (C₁-C₆)alkyloxy-(C₁-C₆)alkoxy, mono-((C₁C₆)alkyl)amino, di((C₁-C₆)alkyl)amino, and amino(C₁-C₆
alkyl),

phenoxyphenyl,

heteroaryloxyphenyl,

substituted phenoxyphenyl chosen from mono-, di-, and trisubstituted phenoxyphenyl wherein the substituents are
independently chosen from hydroxy, nitro, cyano, amino,
halo, sulfonamido, (C₁-C₆)alkyl, (C₁-C₆)perhaloalkyl, (C₁C₆)alkoxy, (C₁-C₆)alkyloxy-(C₁-C₆)alkoxy, mono-((C₁C₆)alkyl)amino, di((C₁-C₆)alkyl)amino, and amino(C₁-C₆
alkyl),

phenyl-piperazinyl,

substituted phenyl-piperazinyl chosen from mono-, di-, and trisubstituted phenyl-piperazinyl wherein the substituents on the phenyl ring are independently chosen from hydroxy, nitro, cyano, amino, halo, sulfonamido, (C_1-C_6) alkyl, (C_1-C_6) perhaloalkyl, (C_1-C_6) alkoxy, (C_1-C_6) alkyloxy (C_1-C_6) alkoxy, mono- $((C_1-C_6)$ alkyl)amino, di $((C_1-C_6)$ alkyl)amino, mono- (C_1-C_6) alkyl)amino (C_1-C_6) alkyl), and di (C_1-C_6) alkyl)amino (C_1-C_6) alkyl),

heteroaryl-piperazinyl, and

substituted heteroaryl-piperazinyl chosen from mono-, di-, and trisubstituted heteroaryl-piperazinyl wherein the substituents on the heteroaryl ring are independently chosen from hydroxy, nitro, cyano, amino, halo, sulfonamido, (C_1-C_6) alkyl, (C_1-C_6) perhaloalkyl, (C_1-C_6) alkoxy, (C_1-C_6) alkyloxy((C_1-C_6) alkoxy, mono- $((C_1-C_6)$ alkyl)amino, di((C_1-C_6) alkyl)amino, mono- (C_1-C_6) alkyl)amino((C_1-C_6) alkyl), and di((C_1-C_6) alkyl)amino((C_1-C_6) alkyl).

34. (New) At least one chemical entity of claim 33, wherein R_{11} and R_{12} are independently chosen from

hydrogen,

straight chain (C₁-C₇)alkyl,

branched chain (C₃-C₇)alkyl, in which the branched alkyl chains are allowed to also form a 3-7 member ring chosen from heterocycloalkyl and cycloalkyl rings;

phenyl,

benzyl,

heteroaryl,

substituted phenyl chosen from mono-, di-, and tri-substituted phenyl wherein the substituents are independently chosen from hydroxy, nitro, cyano, amino, halo, (C₁-C₆)alkyl, (C₁-C₆)perfluoroalkyl, and (C₁-C₆)alkoxy,

substituted benzyl chosen from mono-, di-, and tri-substituted benzyl wherein the substituents are independently chosen from hydroxy, nitro, cyano, amino, halo, (C₁-C₆)alkyl, (C₁-C₆)perfluoroalkyl, and (C₁-C₆)alkoxy,

substituted heteroaryl chosen from mono-, di-, and tri-substituted heteroaryl wherein the substituents are independently chosen from hydroxy, nitro, cyano, amino, halo, (C₁-C₆)alkyl, (C₁-C₆)perfluoroalkyl, and (C₁-C₆)alkoxy,

heteroaryloxyphenyl,

phenyloxyphenyl,

substituted heteroaryloxyphenyl chosen from mono-, di-, and trisubstituted heteroaryloxyphenyl wherein the substituents are independently chosen from hydroxy, nitro, cyano, amino, halo, sulfonamido, (C₁-C₆)alkyl, (C₁-C₆)perhaloalkyl, and (C₁-C₆)alkoxy, and

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substituted phenyloxyphenyl chosen from mono-, di-, and tri-substituted phenyloxyphenyl wherein the substituents are independently chosen from hydroxy, nitro, cyano, amino, halo, sulfonamido, (C₁-C₆)alkyl, (C₁-C₆)perhaloalkyl, and (C₁-C₆)alkoxy.

35. (New) At least one chemical entity of claim 33, wherein R₄ is hydrogen.